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SUBJECT: Forwards scope & objectives for 1992 annual emergency preparedness exercise to be conducted on 920506. Objectives developed in conjunction w/state & local govts.

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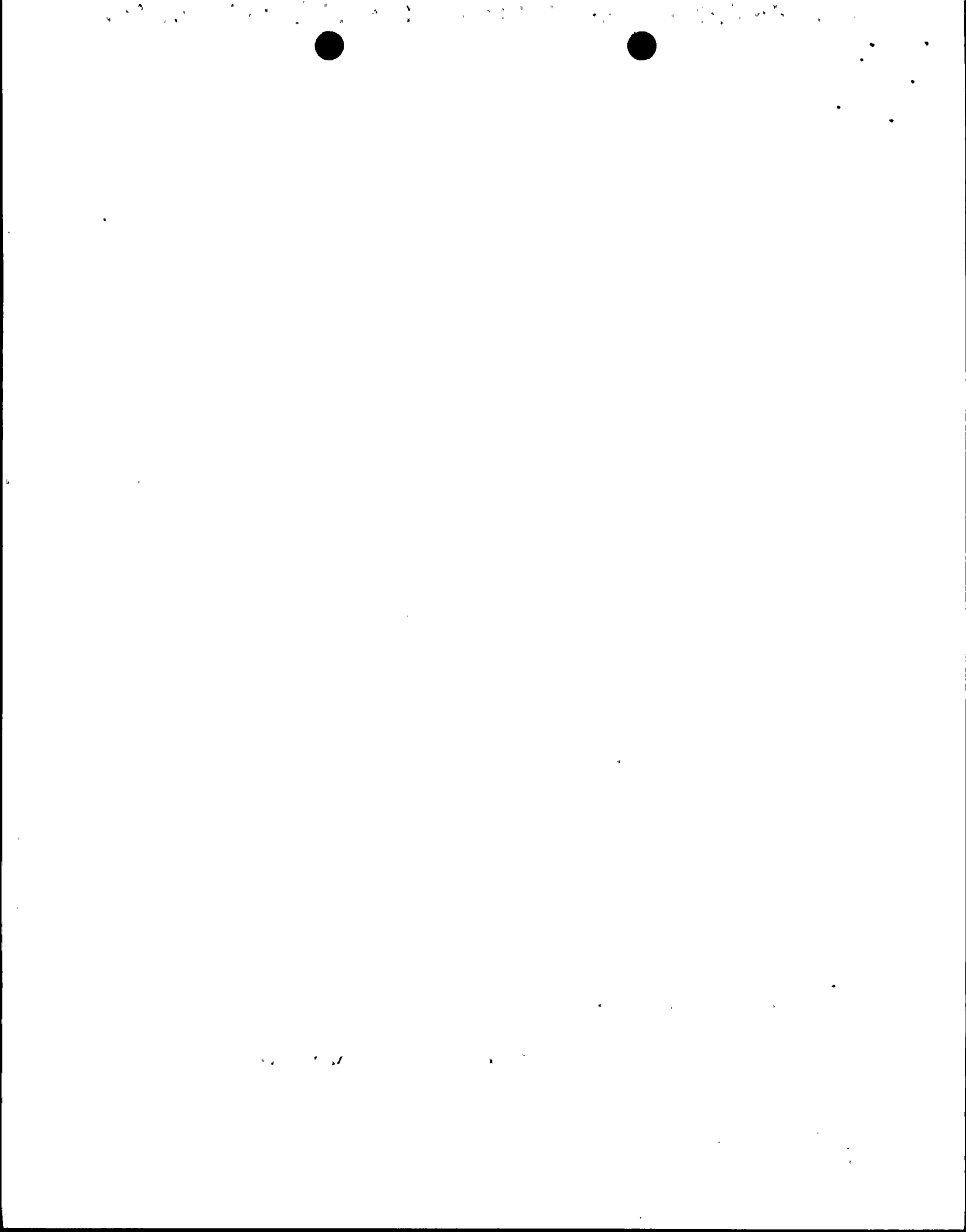
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L-92-29

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D. C. 20555

Gentlemen:

Re: Turkey Point Units 3 and 4  
Docket Nos. 50-250 and 50-251  
Emergency Exercise - May 1992

This letter forwards Florida Power & Light Company's scope and objectives for the 1992 Turkey Point Annual Emergency Preparedness Exercise. The objectives were developed in conjunction with state and local governments. The exercise will be conducted on May 6, 1992 and will involve participation by local emergency response agencies and State emergency response personnel.

If there are any questions or comments concerning the exercise, or its objectives, please contact Mr. John Kirkpatrick at (305) 246-6226.

Very truly yours,

T. F. Plunkett  
Vice President  
Turkey Point Nuclear

TFP/OIH

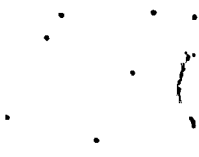
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cc: Stewart D. Ebnetter, Regional Administrator, Region II, USNRC  
Senior Resident Inspector, USNRC, Turkey Point Plant  
W. Rankin, Emergency Preparedness Section Chief, Region II,  
USNRC

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ATTACHMENT  
TO L-92-29



**FLORIDA POWER AND LIGHT COMPANY  
TURKEY POINT NUCLEAR PLANT  
1992 EMERGENCY PREPAREDNESS  
EVALUATED EXERCISE  
MAY 6, 1992**

**EXERCISE SCOPE**

To assure that the health and safety of the general public is protected in the event of an accident at Turkey Point Nuclear Plant (PTN), it is necessary for the Florida Power and Light Company (FPL) to conduct an annual emergency preparedness exercise. This exercise involves mobilization of FPL, State of Florida and Local Government Agency personnel and resources to respond to a simulated accident scenario. The exercise will be evaluated onsite by the Nuclear Regulatory Commission (NRC). An FPL Controller/Evaluator organization will control, observe, evaluate and critique the PTN portion of the exercise and the NRC will evaluate the FPL performance so that the emergency response capabilities of the utility may be assessed. The State of Florida, and Dade and Monroe County emergency response organizations will participate for training purposes only, and will not be evaluated.

Due to the compressed timeline of the exercise, some portions of the FPL Emergency Response Organization may be prepositioned. All onsite Emergency Response Facilities will be activated in accordance with simulated conditions and appropriate emergency response procedures for the exercise. Exercise participants ("players") will not have any prior knowledge of the simulated accident events, operational sequence, radiological effluents or weather conditions.

A radiological medical emergency will be integrated into the operational and radiological portion of the exercise scenario in order to evaluate the ability of the PTN plant staff to effectively respond to a contaminated/injured individual. The medical emergency will also test the ability of the designated hospital, Baptist Hospital, to treat a contaminated/injured patient.

In addition, the exercise incorporates the following:

Radiological Monitoring Drill - both onsite and off-site teams will be dispatched during the exercise to obtain required air samples and measurements associated with a simulated offsite release of radioactivity and communicate these results to the appropriate Emergency Response Facility (ERF). (Field monitoring team protective clothing and respiratory protection will be simulated in the field.)

Health Physics Drill - involves the response to and analysis of simulated elevated activity airborne or liquid samples, radiation exposure control, emergency dosimetry and the use of protective equipment onsite.

Communications Drill - Actual usage and demonstration of the integrity of emergency response communications links and equipment.

Fire Drill - a demonstration of the onsite Fire Team to respond to and extinguish a simulated fire with Offsite Assistance.

**EXERCISE SCOPE** (Continued)

Medical Emergency Drill - a demonstration of the response to a simulated medical emergency situation involving radiological considerations including the packaging and transport of the simulated injured person to the designated off-site treatment facility.

The preceding sub-drills are incorporated into the exercise scenario and will be demonstrated concurrently in the course of the exercise.

The overall intent of the exercise is to demonstrate that the FPL staff assigned responsibilities in an emergency situation are adequately trained to perform in accordance with the Emergency Plan and its implementing procedures.



FLORIDA POWER AND LIGHT COMPANY  
TURKEY POINT NUCLEAR PLANT  
1992 EMERGENCY PREPAREDNESS  
EVALUATED EXERCISE  
MAY 6, 1992

EXERCISE OBJECTIVES

The Turkey Point Nuclear Plant (PTN) emergency preparedness evaluated exercise objectives are based upon Nuclear Regulatory Commission requirements provided in 10 CFR 50: a) 50.47, *Emergency Plans*; and b) Appendix E, *Emergency Planning and Preparedness for Production and Utilization Facilities*. Additional guidance provided in NUREG-0654, FEMA-REP-1, Revision 1, *Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants*, was utilized in developing the objectives. The exercise will be conducted and evaluated using a realistic basis for activities.

The following objectives for the PTN portion of the exercise are consistent with the aforementioned documents:

A. Exercise Planning

1. Conduct an exercise of the PTN Emergency Plan.
2. Provide an opportunity for the State of Florida and Dade and Monroe Counties to participate in an exercise.
3. Prepare an exercise information package to include:
  - a. The objectives of the exercise and appropriate evaluation criteria.
  - b. The date, time period, place, and a list of participating organizations
  - c. The simulated sequence of events.
  - d. The time schedule of real and simulated initiating events.
  - e. The narrative summary.
4. Conduct a critique of the exercise and prepare an evaluation report.
5. Demonstrate that corrective actions are tracked until completion. (Critique Report and Corrective Actions will be issued within 15 working days of the exercise.)

**B. Emergency Organizations, Support, and Resource**

1. Demonstrate the prompt activation, adequacy of the staffing and set up, as appropriate, of emergency response facilities as follows:
  - Control Room
  - Technical Support Center (TSC)
  - Operations Support Center (OSC)
  - Emergency Operations Facility (EOF)
  - Emergency News Center (ENC)
2. Demonstrate the capability of the FPL Emergency Response Organization to implement their Emergency Plan Implementing Procedures.
3. Demonstrate the ability of the Emergency Response Facility Managers/Supervisors to provide overall direction, including "command and control" by initiating, coordinating, and implementing timely and effective decisions during a radiological emergency.
4. Demonstrate the ability to effectively transfer command and control of emergency response functions from the Control Room to the TSC/EOF.
5. Demonstrate the provisions for continuous staffing of the emergency facilities.
6. Demonstrate the interface capability between the FPL Emergency Response Organization and the State of Florida and Dade and Monroe Counties for effective response coordination to a radiological emergency and adequate protection of the health and safety of the public.
7. Demonstrate the ability to control access to emergency facilities.
8. Demonstrate the ability to provide a liaison at each participating offsite governmental emergency operations center (EOC).
9. Demonstrate adequacy of designated facilities and equipment to support emergency operations.
10. Demonstrate the availability of outside support agencies and organizations who may be requested to provide assistance in an emergency.
11. Demonstrate the ability of corporate personnel to augment the Emergency Response Organization and support the plant staff.
12. Demonstrate the ability to notify emergency response personnel.



**C. Accident Assessment and Classification**

1. Demonstrate the availability of methods, equipment, and expertise to make rapid assessments of the consequences of any radiological hazards, including the dispatch and coordination of Field Monitoring Teams.
2. Demonstrate the ability to recognize emergency action levels (EALs) and properly classify emergencies in accordance with the Turkey Point Emergency Plan Implementing Procedures.

**D. Notification and Communication**

1. Demonstrate the ability to notify offsite emergency organizations within approximately 15 minutes of each emergency classification.
2. Demonstrate the ability to notify the NRC of any emergency classification within approximately one hour of the declaration.
3. Demonstrate the ability to notify FPL Emergency Response Organization personnel.
4. Demonstrate the ability to develop and send timely information to State and local authorities as required by the Emergency Plan.
5. Demonstrate the ability to communicate among the Control Room, TSC, OSC, EOF, and ENC, as appropriate.
6. Demonstrate that adequate communication capabilities exist between FPL, and the State and local Emergency Operations Centers (EOCs).
7. Demonstrate that adequate communications capabilities exist among FPL, the State Radiation Monitoring Teams and the Turkey Point Plant.
8. Demonstrate the ability to communicate among the Control Room, TSC, EOF, and NRC Operations Center in Bethesda (simulated).

**E. Radiological Consequence Assessment**

1. Demonstrate methods and techniques for determining the source term of releases or potential releases of radioactive material.
2. Demonstrate the adequacy of methods and techniques for determining the magnitude of the releases of radioactive materials based on plant system parameters and effluent monitors.
3. Demonstrate the ability to estimate integrated dose from projected or actual dose rates and to formulate Protective Action Recommendations (PARs).



## EXERCISE OBJECTIVES (Continued)

4. Demonstrate the ability to monitor and control emergency worker radiation exposure and implement exposure guidelines as appropriate.
5. Demonstrate the availability of respiratory protection, and protective clothing for onsite emergency response personnel.
6. Demonstrate the availability of a procedural mechanism to expeditiously evaluate risks and authorize emergency workers to receive doses in excess of 10 CFR 20 limits, as appropriate.
7. Demonstrate the capability for onsite contamination control.
8. Demonstrate the ability to decontaminate onsite personnel, as appropriate.
9. Demonstrate the capability to transport a contaminated injured person offsite.
10. Demonstrate the ability to evaluate the radiation exposure and contamination levels (external) of an accident victim.
11. Demonstrate the capability for onsite and offsite radiological monitoring, to include collection, and analysis of sample media (e.g. air) and provisions for communications and record keeping.
12. Demonstrate the ability to collect and prepare for shipment simulated elevated airborne or liquid samples as required.
13. Demonstrate the capability to use the Post Accident Sampling System (PASS) (walk-through/simulate).
14. Demonstrate the ability to analyze fluid samples and provide the isotopic and chemical results of the analysis within three hours of the time the sample was first requested.

### F. Protective Action

1. Demonstrate the ability to recommend protective actions to appropriate offsite authorities.
2. Demonstrate the ability to advise individuals onsite or in owner controlled areas of emergency conditions.
3. Demonstrate the capability for onsite first aid.
4. Demonstrate the ability to conduct search and rescue procedures for the persons identified as missing during accountability procedures.

**G. Public Information**

1. Demonstrate the operations of the ENC and the availability of space for the media.
2. Demonstrate the ability to brief the media in a clear, accurate and timely manner.
3. Demonstrate coordination of information prior to its release.
4. Demonstrate the ability to establish and operate rumor control in a coordinated fashion.

**H. Recovery Operations**

1. Demonstrate the availability of procedures to support re-entry and recovery.
  - a. De-escalation/termination from the emergency phase, and transition to recovery phase.
  - b. Inform the State of the opportunity to reduce the need for protective actions.

**I. Medical Emergency**

1. Demonstrate the ability to respond to a radiation medical emergency in a timely manner
2. Demonstrate the capability of the First Aid and Personnel Decontamination Teams to respond to a medical emergency, administer first aid, and survey for contamination on a simulated contaminated, injured individual.
3. Demonstrate the capability to arrange for and obtain transportation and off-site medical support for a radiological accident victim.
4. Demonstrate the ability of Baptist Hospital personnel to treat a contaminated, injured patient.

**J. Fire Emergency**

1. Demonstrate the ability of the Fire Brigade to respond to a fire emergency in a timely and appropriate manner.
2. Demonstrate the ability to obtain and utilize offsite assistance in fighting a fire within the Protected Area.

K. Exemptions

Areas of the PTN Emergency Plan that will NOT be demonstrated during this exercise include:

1. Site evacuation of non-essential personnel.
2. Onsite personnel accountability.
3. Actual shift turnover (long term shift assignments will be demonstrated by rosters).
4. Real time activation of the EOF and ENC.
5. Actual drawing of a sample utilizing the Post-Accident Sampling System (PASS).



